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ABSTRACT OF THE DISCLOSURE

Systems are disclosed for generating left and right panoramic mosaic images for use in facilitating panoramic stereoscopic viewing of a scene, and for displaying stereoscopic panoramic images to a viewer. The left and right panoramic image generators generate the left and right panoramic mosaic images from a series of images recorded or otherwise generated corresponding to respective angular or other positions, each image having a respective left and right image portion, and mosaics portions of those images together to form the respective left and right panoramic images. The display system displays a stereoscopic panoramic image to a viewer by displaying left and right panoramic images such that each is viewed by a respective one of the viewer's eyes.